

LISTING OF CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

1-32 (Canceled)

33. (New) A pressure sensitive adhesive sheet with a release sheet, comprising:

a. a pressure sensitive adhesive sheet that comprises a base and a pressure sensitive adhesive layer provided on the base, wherein the pressure sensitive adhesive sheet is substantially free of a silicone compound; and

b. a release sheet removably attached to the pressure sensitive adhesive sheet and comprising:

i. a release sheet base formed from a material selected from the group consisting of plastic film and lint-free paper, and

ii. a releasing agent layer formed from a material selected from the group consisting of plastic film and lint-free paper and provided on the release sheet base, the releasing agent layer being attached to the pressure sensitive adhesive layer of the pressure sensitive adhesive sheet

wherein a count of generated particles having a diameter of 0.1 μm or more generated from the pressure sensitive adhesive sheet with the release sheet is equal to or less than 100 particles / liter when measured according to Test Method for the Measurement of Particle Generation from Sheet Materials determined by SEMI G67-0996.

34. (New) The pressure sensitive adhesive sheet with a release sheet of claim 33 wherein the pressure sensitive adhesive sheet contains is less than 500 μm^2 of a silicone compound.

35. (New) The pressure sensitive adhesive sheet with a release sheet of claim 33 wherein an amount of gas generated from the pressure sensitive adhesive sheet at a temperature of 85°C for 30 minutes is less than 20 mg/m^2 .

36. (New) The pressure sensitive adhesive sheet with a release sheet of claim 33 wherein a sum of ions selected from the group consisting of NO_x^- , Cl^- , PO_4^{3-} , K^+ , F^- , Na^+ and Ca^{2+} in the pressure sensitive adhesive sheet is less than 20 mg/m^2 .

37. (New) The pressure sensitive adhesive sheet with a release sheet of claim 33 further comprising an antistatic layer that is provided between the base and the pressure sensitive adhesive layer.

38. (New) The pressure sensitive adhesive sheet with a release sheet of claim 37 wherein the antistatic layer includes at least one antistatic agent selected from the group consisting of carbon black, metal-based conductive filler, metal oxide-based conductive filler, and π electron conjugated conductive polymer.

39. The pressure sensitive adhesive sheet with a release sheet of claim 38 wherein the antistatic layer is composed of a thin film of a metal or metal oxide.

40. The pressure sensitive adhesive sheet with a release sheet of claim 37 wherein the antistatic layer has a surface resistivity in the range of $1 \times 10^4 - 10^{12} \Omega$.

41. The pressure sensitive adhesive sheet with a release sheet of claim 33 wherein the releasing agent layer of the release sheet is formed of a material containing an olefin-based thermoplastic elastomer and a polyethylene resin.

42. The pressure sensitive adhesive sheet with a release sheet of claim 41 wherein the weight ratio of the olefin-based thermoplastic elastomer to the polyethylene resin is in the range of 25:75 to 75:25.

43. The pressure sensitive adhesive sheet with a release sheet of claim 42 wherein the olefin-based thermoplastic elastomer has a density in the range of 0.80 to 0.90 g/cm^3 .